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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Feb 24	PCTGEN now available on STN
NEWS	4	Feb 24	TEMA now available on STN
NEWS	5	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	6	Feb 26	PCTFULL now contains images
NEWS	7	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	8	Mar 24	PATDPAFULL now available on STN
NEWS	9	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	10	Apr 11	Display formats in DGENE enhanced
NEWS	11	Apr 14	MEDLINE Reload
NEWS	12	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	13	AUG 22	Indexing from 1927 to 1936 added to records in CA/CAPLUS
NEWS	14	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	15	Apr 28	RDISCLOSURE now available on STN
NEWS	16	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	17	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	18	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	19	May 19	Simultaneous left and right truncation added to WSCA
NEWS	20	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS	21	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS	22	Jun 06	PASCAL enhanced with additional data
NEWS	23	Jun 20	2003 edition of the FSTA Thesaurus is now available
NEWS	24	Jun 25	HSDB has been reloaded
NEWS	25	Jul 16	Data from 1960-1976 added to RDISCLOSURE
NEWS	26	Jul 21	Identification of STN records implemented
NEWS	27	Jul 21	Polymer class term count added to REGISTRY
NEWS	28	Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS	29	AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS	30	AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS	31	AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS	32	AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS	33	AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS	34	AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS	35	AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS	36	AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS	37	AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation

NEWS 38 AUG 18 Simultaneous left and right truncation added to ANABSTR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 07:46:02 ON 28 AUG 2003

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 07:46:12 ON 28 AUG 2003
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FILE COVERS 1907 - 28 Aug 2003 VOL 139 ISS 9
FILE LAST UPDATED: 26 Aug 2003 (20030826/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> "hepatitis A virus purification"
39234 "HEPATITIS"
17297025 "A"
286662 "VIRUS"
61897 "VIRUSES"
297026 "VIRUS"
("VIRUS" OR "VIRUSES")
5 "PURIFICATION"
L1 0 "HEPATITIS A VIRUS PURIFICATION"
("HEPATITIS" (W) "A" (W) "VIRUS" (W) "PURIFICATION")

=> "HAV purification"

```

1026 "HAV"
19 "HAVS"
1033 "HAV"
      ("HAV" OR "HAVS")
289658 "PURIFICATION"
874 "PURIFICATIONS"
290242 "PURIFICATION"
      ("PURIFICATION" OR "PURIFICATIONS")
249650 "PURIFN"
232 "PURIFNS"
249753 "PURIFN"
      ("PURIFN" OR "PURIFNS")
419838 "PURIFICATION"
      ("PURIFICATION" OR "PURIFN")
L2      1 "HAV PURIFICATION"
      ("HAV" (W) "PURIFICATION")

=> "heptitis A virus particle purification"
3 "HEPTITIS"
17297025 "A"
286662 "VIRUS"
61897 "VIRUSES"
297026 "VIRUS"
      ("VIRUS" OR "VIRUSES")
577871 "PARTICLE"
657724 "PARTICLES"
984045 "PARTICLE"
      ("PARTICLE" OR "PARTICLES")
289658 "PURIFICATION"
874 "PURIFICATIONS"
290242 "PURIFICATION"
      ("PURIFICATION" OR "PURIFICATIONS")
249650 "PURIFN"
232 "PURIFNS"
249753 "PURIFN"
      ("PURIFN" OR "PURIFNS")
419838 "PURIFICATION"
      ("PURIFICATION" OR "PURIFN")
L3      0 "HEPTITIS A VIRUS PARTICLE PURIFICATION"
      ("HEPTITIS" (W) "A" (W) "VIRUS" (W) "PARTICLE" (W) "PURIFICATION")

=> "HAV isolation"
1026 "HAV"
19 "HAVS"
1033 "HAV"
      ("HAV" OR "HAVS")
219907 "ISOLATION"
947 "ISOLATIONS"
220514 "ISOLATION"
      ("ISOLATION" OR "ISOLATIONS")
L4      0 "HAV ISOLATION"
      ("HAV" (W) "ISOLATION")

=> "HAV vaccine preparation"
1026 "HAV"
19 "HAVS"
1033 "HAV"
      ("HAV" OR "HAVS")
39436 "VACCINE"
39900 "VACCINES"
49520 "VACCINE"
      ("VACCINE" OR "VACCINES")
1246365 "PREPARATION"
65848 "PREPARATIONS"

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1309331 "PREPARATION"
      ("PREPARATION" OR "PREPARATIONS")
2387015 "PREPN"
188849 "PREPNS"
2531230 "PREPN"
      ("PREPN" OR "PREPNS")
3230056 "PREPARATION"
      ("PREPARATION" OR "PREPN")
L5      0 "HAV VACCINE PREPARATION"
      ("HAV" (W) "VACCINE" (W) "PREPARATION")

=> "HAV
QUERY PROCESSING INTERRUPTED
The system was temporarily unable to process your query.  If this
message appears repeatedly, please notify the Help Desk.  Enter "HELP
STN" for information on contacting the nearest STN Help Desk by
telephone or via SEND in the STNMAIL file.

=> HAV
      1026 HAV
      19 HAVS
L6      1033 HAV
      (HAV OR HAVS)

=> purification or isolation
      289658 PURIFICATION
      874 PURIFICATIONS
      290242 PURIFICATION
      (PURIFICATION OR PURIFICATIONS)
      249650 PURIFN
      232 PURIFNS
      249753 PURIFN
      (PURIFN OR PURIFNS)
      419838 PURIFICATION
      (PURIFICATION OR PURIFN)
      219907 ISOLATION
      947 ISOLATIONS
      220514 ISOLATION
      (ISOLATION OR ISOLATIONS)
L7      613559 PURIFICATION OR ISOLATION

=> L6 and L7
L8      79 L6 AND L7

=> pronase and L8
      7654 PRONASE
      13 PRONASES
      7661 PRONASE
      (PRONASE OR PRONASES)
L9      2 PRONASE AND L8

=> "S.G. trypsin (s) L8"
      2463727 "S"
      2596748 "G"
      64425 "TRYPSIN"
      473 "TRYPSINS"
      64467 "TRYPSIN"
      ("TRYPSIN" OR "TRYPSINS")
      2463727 "S"
      718 "L8"
L10     0 "S.G. TRYPSIN (S) L8"
      ("S" (W) "G" (W) "TRYPSIN" (W) "S" (W) "L8")

=> "streptomyces griseus trypsin"

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32011 "STREPTOMYCES"
4221 "GRISEUS"
64425 "TRYPSIN"
473 "TRYPSINS"
64467 "TRYPSIN"
      ("TRYPSIN" OR "TRYPSINS")
L11      61 "STREPTOMYCES GRISEUS TRYPSIN"
      ("STREPTOMYCES" (W) "GRISEUS" (W) "TRYPSIN")

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=> L11 and L8
L12      0 L11 AND L8

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=> "virus purification"
286662 "VIRUS"
61897 "VIRUSES"
297026 "VIRUS"
      ("VIRUS" OR "VIRUSES")
289658 "PURIFICATION"
874 "PURIFICATIONS"
290242 "PURIFICATION"
      ("PURIFICATION" OR "PURIFICATIONS")
249650 "PURIFN"
232 "PURIFNS"
249753 "PURIFN"
      ("PURIFN" OR "PURIFNS")
419838 "PURIFICATION"
      ("PURIFICATION" OR "PURIFN")
L13      915 "VIRUS PURIFICATION"
      ("VIRUS" (W) "PURIFICATION")

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=> L13 and L11
L14      0 L13 AND L11

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=> "vaccine preparation"
39436 "VACCINE"
39900 "VACCINES"
49520 "VACCINE"
      ("VACCINE" OR "VACCINES")
1246365 "PREPARATION"
65848 "PREPARATIONS"
1309331 "PREPARATION"
      ("PREPARATION" OR "PREPARATIONS")
2387015 "PREPN"
188849 "PREPNS"
2531230 "PREPN"
      ("PREPN" OR "PREPNS")
3230056 "PREPARATION"
      ("PREPARATION" OR "PREPN")
L15      1246 "VACCINE PREPARATION"
      ("VACCINE" (W) "PREPARATION")

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=> L15 and L11
L16      0 L15 AND L11

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=> "antigen preparation"
240236 "ANTIGEN"
191435 "ANTIGENS"
298027 "ANTIGEN"
      ("ANTIGEN" OR "ANTIGENS")
1246365 "PREPARATION"
65848 "PREPARATIONS"
1309331 "PREPARATION"
      ("PREPARATION" OR "PREPARATIONS")
2387015 "PREPN"

```

188849 "PREPNS"
 2531230 "PREPN"
 ("PREPN" OR "PREPNS")
 3230056 "PREPARATION"
 ("PREPARATION" OR "PREPN")
 L17 2256 "ANTIGEN PREPARATION"
 ("ANTIGEN" (W) "PREPARATION")

=> L17 and L11
 L18 0 L17 AND L11

=> DIS L9 1- IBIB ABS
 YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):Y
 THE ESTIMATED COST FOR THIS REQUEST IS 4.83 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2003:472410 CAPLUS
 DOCUMENT NUMBER: 139:51598
 TITLE: Method of production of purified hepatitis A virus
 particles, and their use in vaccine preparation
 INVENTOR(S): Tauer, Christa; Meyer, Heidi; Mitterer, Artur;
 Barrett, Noel
 PATENT ASSIGNEE(S): Baxter Healthcare S.A., Switz.
 SOURCE: PCT Int. Appl., 40 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003049766	A2	20030619	WO 2002-EP14008	20021210
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

US 2003124511 A1 20030703 US 2001-6205 20011210
 PRIORITY APPLN. INFO.: US 2001-6205 A 20011210

AB The present invention provides methods of **purifn.** of hepatitis A virus (**HAV**) from the supernatant of an infected cell culture by filtering and virus inactivation treatment and prodn. of a prepn. of purified **HAV** antigen under serum-free conditions. Contaminating impurities which might derive from the cells or the cell culture medium are efficiently removed by the method of invention. The invention is also directed to an **HAV** vaccine compn. comprising a prepn. consisting of purified mature **HAV** particles in an amt. sufficient to induce a protective immune response. The vaccine of present invention was compared in regards to its immunogenicity with 2 com. vaccines (VAQTA 50U and HAVRIX 1440). The antibody titers of the pooled sera of mice given the undiluted vaccine of invention at 15-20 IU/mL were 3541 mIU/mL compared to 2541 mIU/mL and 691 mIU/mL when given undiluted VAQTA and HAVRIX, resp.

L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2003:454904 CAPLUS

DOCUMENT NUMBER: 139:21090
 TITLE: Large scale production of Hepatitis A virus in microcarrier bound Vero cells
 INVENTOR(S): Meyer, Heidi; Reiter, Manfred; Mundt, Wolfgang; Barrett, Noel; Dorner, Friedrich
 PATENT ASSIGNEE(S): Austria
 SOURCE: U.S. Pat. Appl. Publ., 11 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003108861	A1	20030612	US 2001-6882	20011210
WO 2003049767	A2	20030619	WO 2002-EP14012	20021210

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-6882 A 20011210
 AB The present invention provides methods of large scale prodn. of Hepatitis A Virus (**HAV**) on Vero cells bound to microcarrier. The invention also provides for methods of **isolation** of **HAV** from the cell culture supernatant of **HAV** infected VERO cells.

=> DIS L2 1 IBIB ABS
 THE ESTIMATED COST FOR THIS REQUEST IS 2.42 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 2000:450306 CAPLUS
 DOCUMENT NUMBER: 133:205136
 TITLE: Unusual aspects of hepatitis A virus replication
 AUTHOR(S): Bishop, N. E.
 CORPORATE SOURCE: School of Biological Sciences, University of Manchester, Manchester, M13 9PT, UK
 SOURCE: Recent Research Developments in Virology (1999), 1(Pt. 2), 183-202
 CODEN: RRDVFH
 PUBLISHER: Transworld Research Network
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: English
 AB A review with 104 refs. Hepatitis A virus (HAV) is a picornavirus which grows poorly in cell culture. Improved viral yields have been obtained by selectively passaging HAV in cultured cells. Use of cell culture-adapted HAV strains in conjunction with optimal growth conditions, and efficient methods for **HAV purifn.**, has led to increased knowledge of the replicative cycle of this virus and the prodn. of a viral vaccine. HAV has recently been reclassified due to its many unique characteristics. The slow replication kinetics and extreme stability of HAV has facilitated studies of some more unusual aspects of picornaviral replication and these studies have led to some interesting findings. This review highlights both the unusual characteristics of HAV, within the picornavirus family, and unusual aspects of picornavirus replication

illuminated by HAV studies, then will tie in the in vitro replication of
HAV with that obsd. in vivo.

REFERENCE COUNT: 134 THERE ARE 134 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT